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NOTICE OF ALLOWANCE AND FEE(S) DUE

52473

7590

05/01/2009

RATNERPRESTIA P.O. BOX 980 VALLEY FORGE, PA 19482 EXAMINER

KARACSONY, ROBERT

ART UNIT

PAPER NUMBER

2821

DATE MAILED: 05/01/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574.596	04/05/2006	Motohiko Sako	MAT-8837US	4300

TITLE OF INVENTION: COMPOSITE ANTENNA DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	08/03/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notificat	correspondence including dependence of the delow or directed other tions.	g the Patent, advance or erwise in Block 1, by (a	rders and notification of n a) specifying a new corres	naintenance fees will pondence address; an	be mailed to the current nd/or (b) indicating a sep	correspondence address as arate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				s) Transmittal. This c rs. Each additional p	ertificate cannot be used:	or domestic mailings of the for any other accompanying ent or formal drawing, must
52473	7590 05/01/	/2009	nave		icate of Mailing or Trans	
RATNERPRES P.O. BOX 980 VALLEY FORC			I her State addr trans	reby certify that this ses Postal Service with essed to the Mail Semitted to the USPTC	Fee(s) Transmittal is bein n sufficient postage for fir top ISSUE FEE address 0 (571) 273-2885, on the c	strission g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.
						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	A	TTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,596	04/05/2006	•	Motohiko Sako	•	MAT-8837US	4300
PITLE OF INVENTION	: COMPOSITE ANTEN					
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE F	TEE TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	08/03/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS			
KARACSON	Y, ROBERT	2821	343-702000			
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME ADDRESSED NOTE: Unl	ess an assignee is identi n in 37 CFR 3.11. Comp	Indication form ed. Use of a Customer TO BE PRINTED ON The field below, no assignee	(1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attorlisted, no name will be THE PATENT (print or typ data will appear on the paT a substitute for filing an a (B) RESIDENCE: (CITY	ely, e firm (having as a m gent) and the names neys or agents. If no printed. e) ttent. If an assignee assignment.	ember a 2of up to name is 3is identified below, the c	locument has been filed for
4a. The following fee(s) a Issue Fee Publication Fee (N		4bermitted)	b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit care	se first reapply any d. Form PTO-2038 is authorized to charge	previously paid issue fees attached.	
••	s SMALL ENTITY statu	s. See 37 CFR 1.27.	☐ b. Applicant is no long	ger claiming SMALL	ENTITY status. See 37 C	
interest as shown by the r	ecords of the United State	tes Patent and Trademark	Office.			
Authorized Signature				Date		
Typed or printed name This collection of information is required by 37 CFR 1.311. The information is required by 37 CFR 1.311.				-		
This collection of informan application. Confident submitting the completed his form and/or suggesting V450. Alexandria. V	ation is required by 37 C iality is governed by 35 I application form to the ons for reducing this bur irginia 22313-1450. DO	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the NOT SEND FEES OR (on is required to obtain or re 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 min idual case. Any com r, U.S. Patent and Tr D THIS ADDRESS. S	public which is to file (an nutes to complete, includin ments on the amount of ti ademark Office, U.S. Dep SEND TO: Commissioner	d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,596 04/05/2006		Motohiko Sako	MAT-8837US 4300	
52473	7590 05/01/2009		EXAM	IINER
RATNERPRES'	RATNERPRESTIA			Y, ROBERT
P.O. BOX 980 VALLEY FORGE, PA 19482			ART UNIT	PAPER NUMBER
			2821	
			DATE MAILED: 05/01/2009	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 98 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 98 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/574,596	SAKO, MOTOHIKO
Notice of Allowability	Examiner	Art Unit
	ROBERT KARACSONY	2821
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	pears on the cover sheet with a S (OR REMAINS) CLOSED in the or other appropriate communic RIGHTS. This application is subgand MPEP 1308.	the correspondence address is application. If not included cation will be mailed in due course. THIS
1. This communication is responsive to <u>amendments receive</u>	<u>ed April 20, 2009</u> .	
2. \boxtimes The allowed claim(s) is/are <u>5,6 and 10</u> .		
3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents hav 2. Certified copies of the priority documents hav 3. Copies of the certified copies of the priority documents hav 1. Certified copies of the priority documents hav 2. Certified copies of the priority documents hav 3. Copies of the certified copies of the priority documents hav 3. Copies of the certified copies of the priority documents have 3. Copies of the priority documents have 4. Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDON! THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submined in the part of the priority documents have submined in the part of the priority documents have submined in the part of the priority documents have submined in the part of the priority documents have submined in the part of the priority documents have submined in the priority docume	re been received. re been received in Application No cuments have been received in a r	No this national stage application from the reply complying with the requirements NER'S AMENDMENT or NOTICE OF eclaration is deficient. PTO-948) attached the Office action of
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT Attachment(s) Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	5. ☐ Notice of Inform 6. ☐ Interview Sum Paper No./Ma 7. ☐ Examiner's Am	DGICAL MATERIAL. mal Patent Application mary (PTO-413), iil Date
/Hoang V Nguyen/ Primary Examiner, Art Unit 2821		
Timary Examiner, Art Onit 2021		

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Allowable Subject Matter

1. Claims 5, 6 and 10 are allowed.

2. The following is an examiner's statement of reasons for allowance:

Claim 5 is allowable because prior art fails to teach, along with all of the other limitations of claim 5, an impedance Zll of the first portion of the load conductor, a mutual impedance Zl2 of the second radiator to the first portion of the load conductor, a mutual impedance Z21 of the first portion of the load conductor to the second radiator, an impedance Z22 of the second radiator, an impedance Z33 of the second portion of the load conductor, a mutual impedance Z34 of the third radiator to the second portion of the load conductor, a mutual impedance Z43 of the second portion of the load conductor to the third radiator, and an impedance Z44 of the third radiator satisfy the relation of

$$\begin{pmatrix} Z11 & Z12 \\ Z21 & Z22 \end{pmatrix} = \begin{pmatrix} Z33 & Z34 \\ Z43 & Z44 \end{pmatrix}.$$

- 3. Claims 6 and 10 are allowable for at least depending on allowable claim 5.
- 4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ROBERT KARACSONY whose telephone number is (571)270-1268. The examiner can normally be reached on M-F 7:30 am - 5:00 pm EST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W. Owens can be reached on 571-272-1662. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated

/R. K./ Examiner, Art Unit 2821

/Hoang V Nguyen/ Primary Examiner, Art Unit 2821